

# Remedial Design Spotlight - RM11E Project Area

September 16, 2020



All Graphics in this presentation are  
courtesy of GSI Water Solutions, Inc.



# Topics

- Introduction
- Background
- RM11E Remedial Design Investigation
  - Subsurface Sediment Sampling
  - Surface Sediment Sampling
- Challenges
- Questions

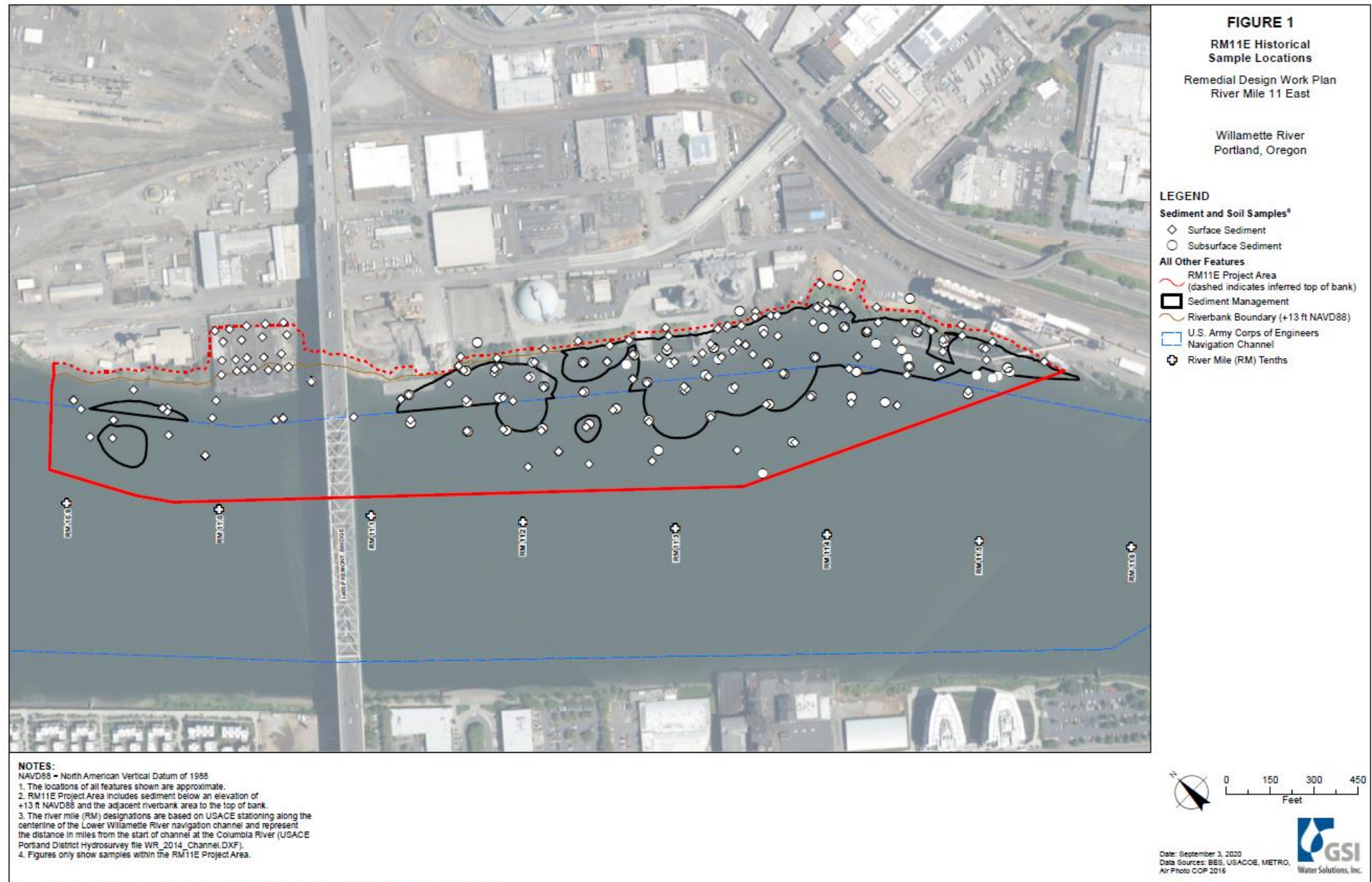


# RM11E Project Area

- Between RM 10.9 and 11.6
- In-water and riverbank
- Uplands have commercial and industrial facilities
- Two active docks
- Two submarine cable crossings





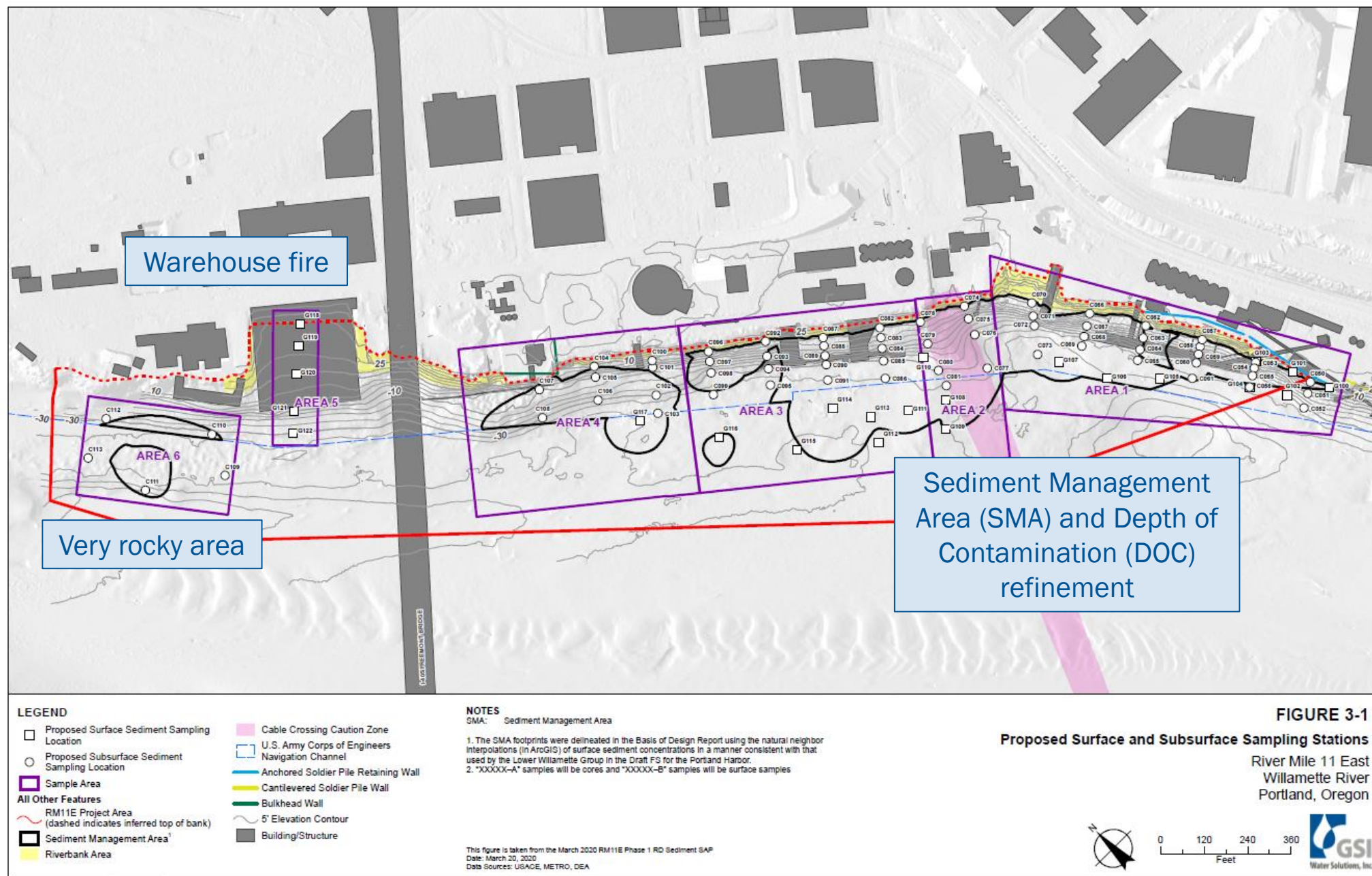


# Primary Phase I RD Sampling Objectives



- Refine Sediment Management Areas (SMA)
- Determine depth of contamination (DOC)
- Verify Site conditions
- Disposal characterization



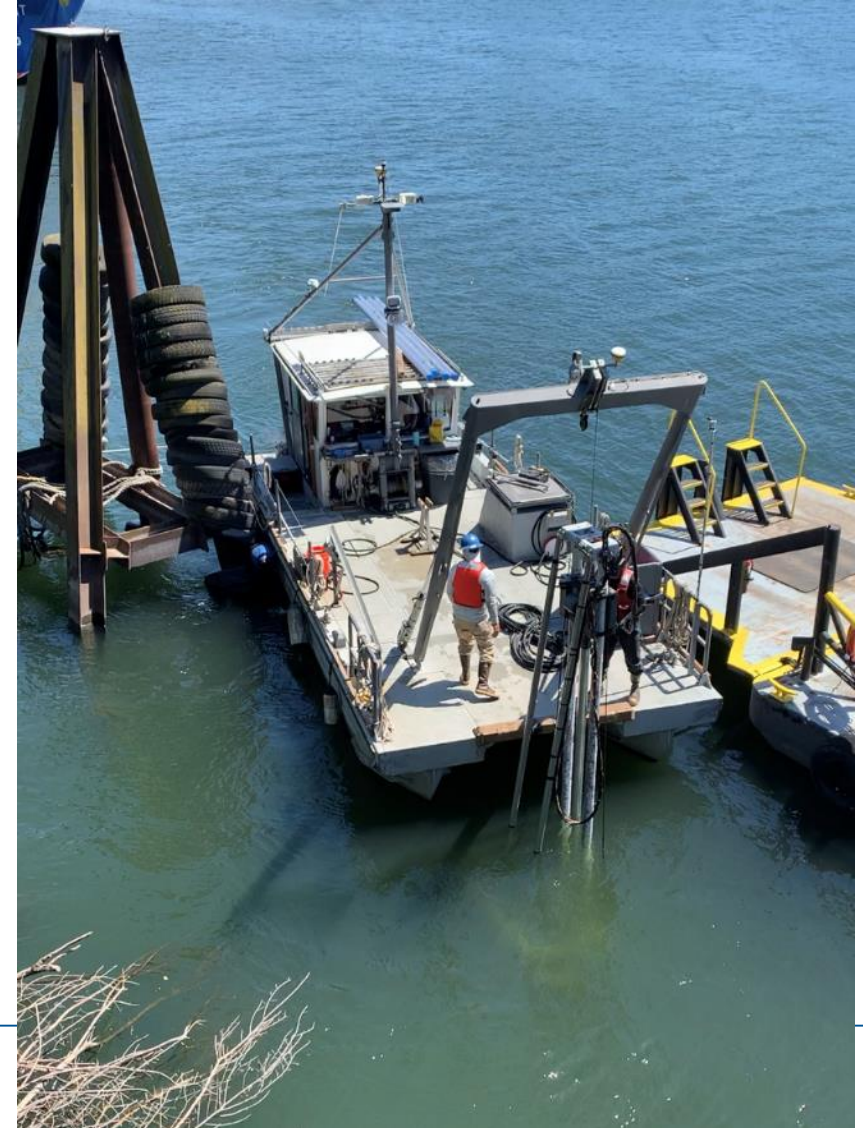






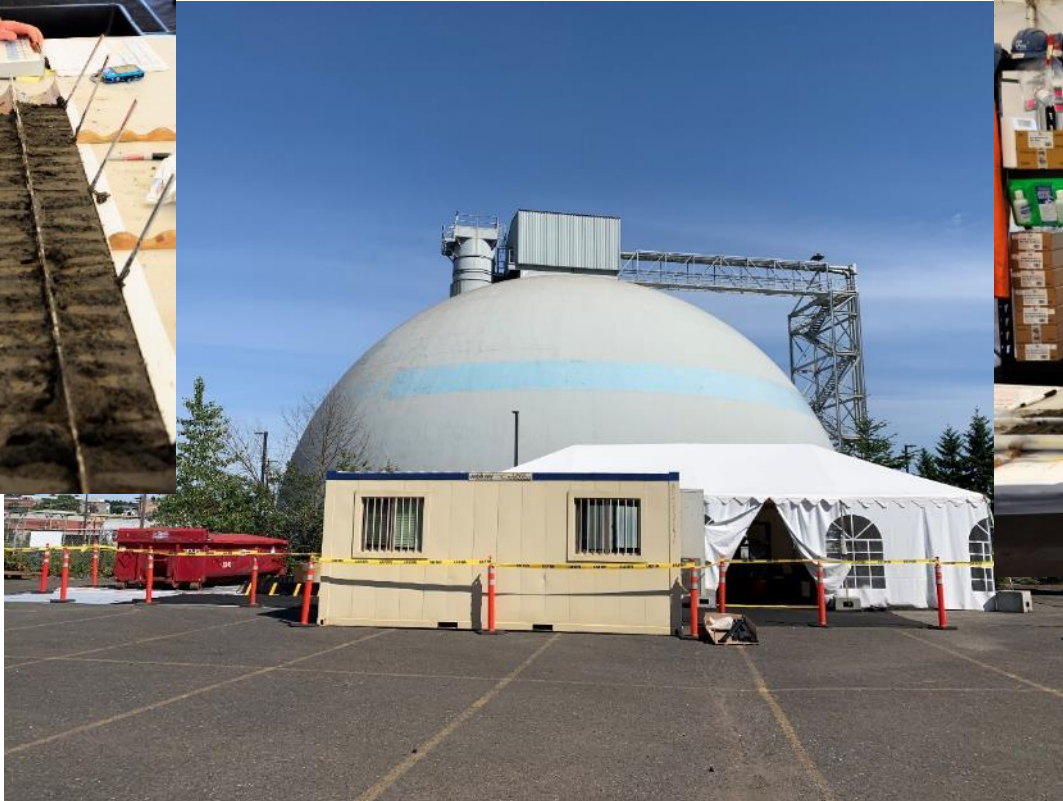


# Subsurface Sediment Sampling - Vibracoring





# Sediment Core Processing



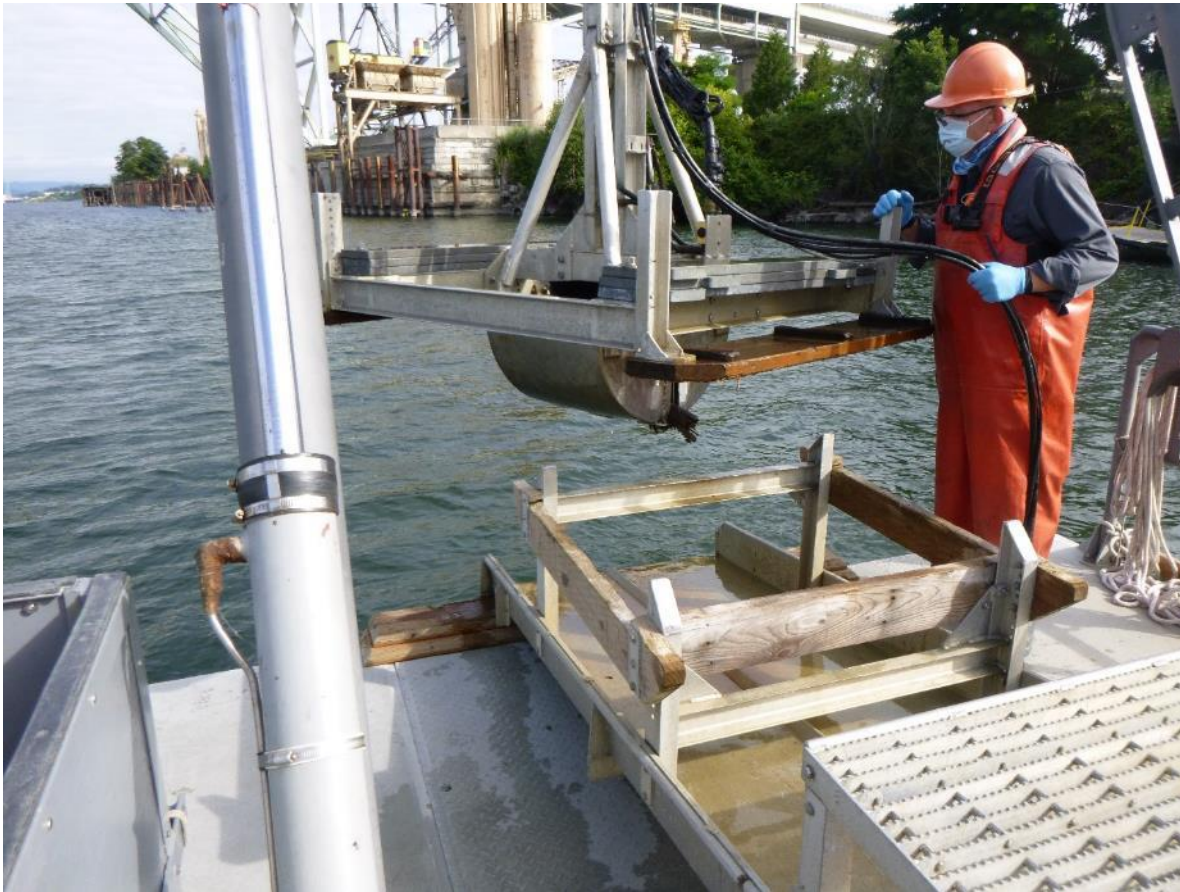


# Subsurface Sediment Sampling – Sonic Drilling

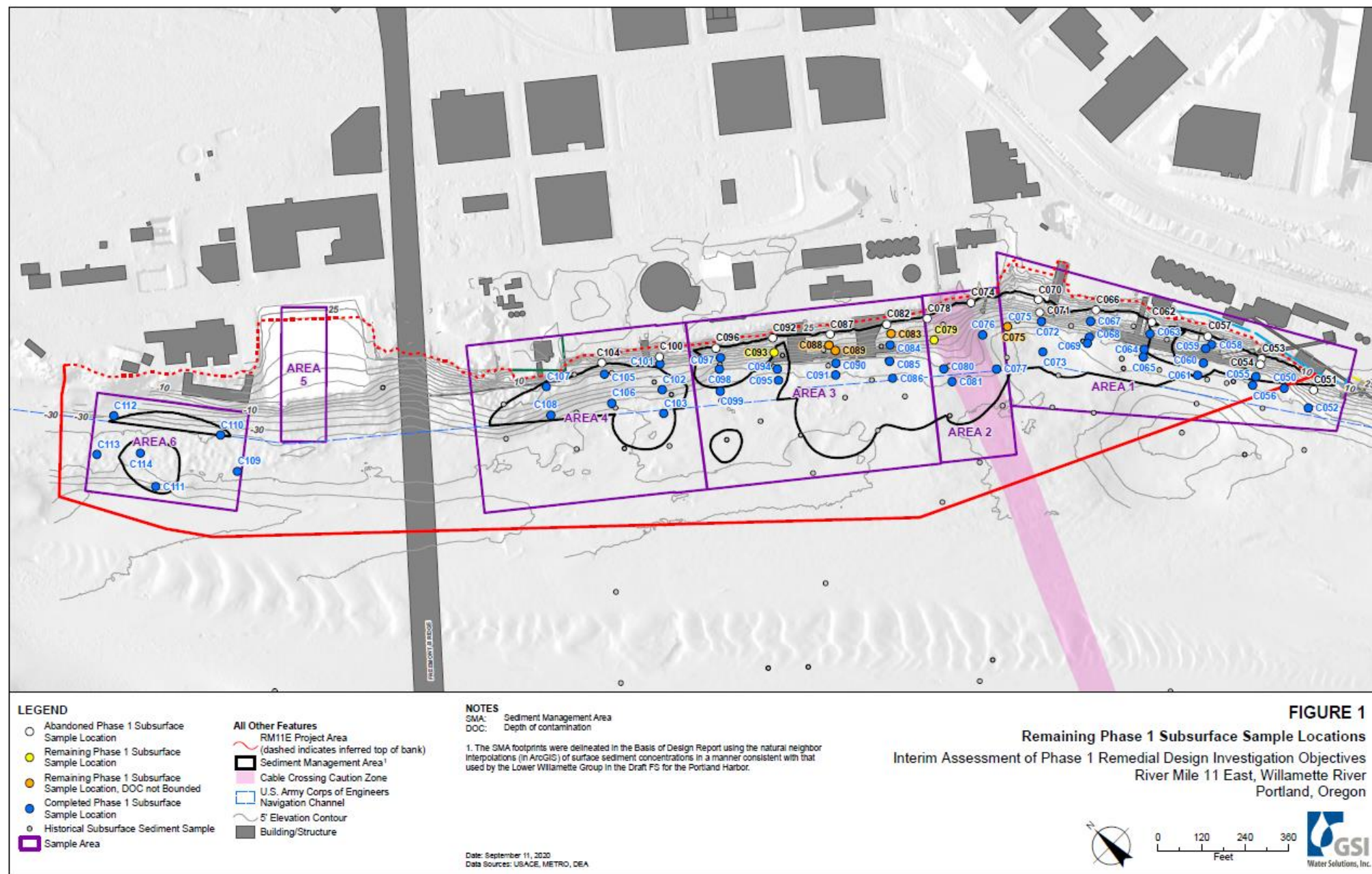




# Surface Sediment Sampling





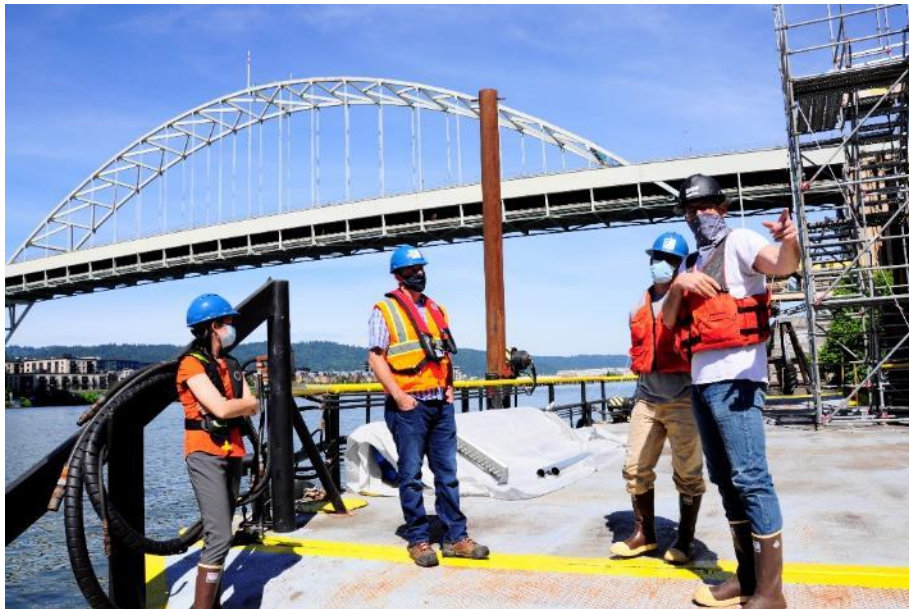
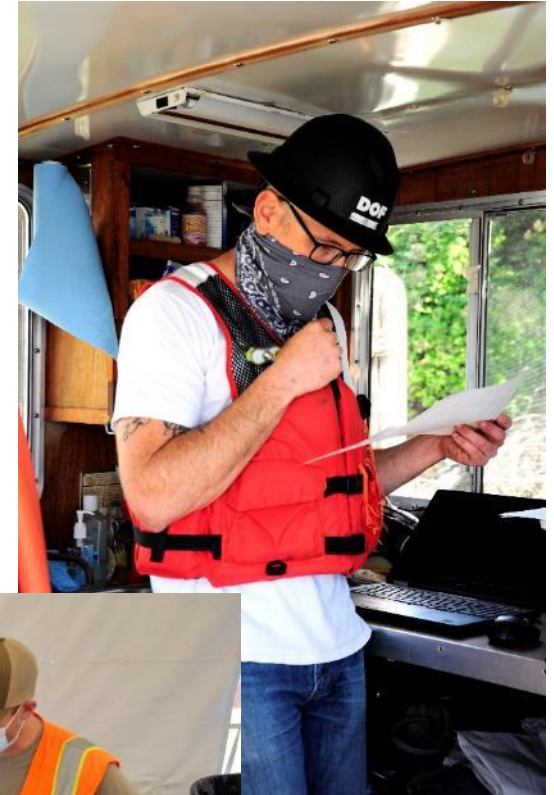


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# Next Steps

- Review data
- Confer with EPA on whether/how to revisit previously inaccessible sample locations
- Phase I Remedial Design Field Sampling and Data Report





# Questions?

- Contact Community Liaison, Cindy Ryals, City of Portland – [Cindy.Ryals@portlandoregon.gov](mailto:Cindy.Ryals@portlandoregon.gov)





# Extra Slides



# Existing Data and Previous Investigations

- 2004-2008: Multiple studies by Lower Willamette Group (LWG) during RI/FS
- 2009-2013: Focused investigations by City of Portland
- 2014: RM11E RI/FS (sediment and porewater)
- 2018: Surface sediment sampling by Pre-RD Group
- 2018: RM11E Recontamination Assessment
  - Determined driver Chemicals of Concern as PCBs and dioxin/furans



# River Stage

